

Disseminate Our Results: *“Our success should be measured not when a project is completed or an experiment concluded, but **when scientific and technical information is disseminated.** Beyond broad availability of technical reports, e-prints and multimedia, and publication in peer-reviewed journals, **open access to experimental data and analysis codes is increasingly important in policy-relevant research areas.**”*

—Department of Energy Strategic Plan 2011
Assure Excellence in R&D Management

OSTI fulfills agency responsibilities related to the collection, preservation, and dissemination of STI emanating from R&D performed by DOE and predecessor agencies.

Participation in DataCite lends support to OSTI's primary mission of STI management and the DOE goal of making research data accessible.

The U.S. DOE Scientific and Technical Information Program (STIP) is a collaboration working to increase the availability and transparency of the results of DOE-funded research and development.

For more information:
Mark Martin
martinm@osti.gov

First DOI for a DOE dataset was minted by OSTI and registered with DataCite on 8/10/2011 from the DOE Atmospheric Radiation Measurement (ARM) Climate Research Facility at Oak Ridge National Laboratory
<http://dx.doi.org/10.5439/1021460>

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Data ID Service

DOE scientific research datasets are now being registered and announced worldwide along with other R&D results as part of the DOE STI program.



STI Announcement Web Service for Datasets

Providing stable pathways to datasets generated
by DOE-funded scientific research

OSTI registers publicly available scientific research datasets created by DOE-funded researchers. Through membership in DataCite, OSTI assigns permanent identifiers, known as Digital Object Identifiers (DOIs), to the individual datasets to aid in citation, discovery, and retrieval.

Easy-to-use method to:

- Provide metadata to DOE/OSTI for announcing publicly available datasets resulting from work funded by the U.S. DOE or performed in DOE facilities.
- Submit metadata for DOE research dataset announcement notices and obtain a registered DOI.
- Manipulate records by performing **HTTP operations** on a web service URL and providing XML metadata

Options to submit your datasets metadata:

Grantees and Individual Researchers

241.6 Announcement Notice

<https://www.osti.gov/mlink/241-6>

DOE Labs & Data Centers

Web Service

http://www.osti.gov/stip/docs/AN241.6web_%20service_0.pdf



Citations to DOE Datasets Made Broadly Accessible

Announced and linked from Energy Citations Database (ECD)

<http://www.osti.gov/energycitations/>



Also available via DOE Data Explorer (DDE)

<http://www.osti.gov/dataexplorer/>



Balloon-borne sounding system (BBSS): Vaisala-processed winds, press., temp, and RH

Description/Abstract: Balloon-borne sounding system (BBSS): Vaisala-processed winds, press., temp, and RH. The balloon-borne sounding system (BBSS) provides in situ measurements (vertical profiles) of both the thermodynamic state of the atmosphere, and the wind speed and direction.

Authors: Coulter, Richard; Ritchie, Michael

Publication Date: 1994 Apr 12

OSTI Identifier: 1021480

DOE Contract Number: DE-AC05-00OR22725

Resource Type: Dataset - Numeric Data

Research Org: Atmospheric Radiation Measurement (ARM) Archive, Oak Ridge National Laboratory (ORNL), Oak Ridge, TN (US)

Sponsoring Org: USDOE SC Office of Biological and Environmental Research (SC-23)

Country of Publication: United States

Language: English

Subject: 54 Environmental Sciences

Related Subject: Atmospheric moisture, Atmospheric pressure, Atmospheric temperature, Horizontal wind

Availability: ORNL

Update Date: 2011 Sep 29

DOI: <http://dx.doi.org/10.5438/1021480>

Citations to DOE datasets will be indexed by commercial search engines (e.g., Google) AND will appear in federated search portals that include OSTI databases.

